

**KARNAL BUNT STRATEGIC PLAN**  
**OVERCOMING KARNAL BUNT AS A QUARANTINE PEST**  
**WHILE PRESERVING EXPORT MARKETS**  
**FY 2003 – 2007**

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## **Karnal Bunt Strategic Plan December 12, 2002**

### Introduction

On February 26, 2002, USDA finalized “A Strategic Framework for the Karnal Bunt Program: Critical issues and Next Steps Toward Deregulation While Preserving Export Markets.” This document outlined critical issues that would need to be addressed to overcome KB as a pest of quarantine concern from information gleaned from the October 31 and November 1, 2001, Karnal Bunt Workshop, gathered from Federal and state cooperators, producers, handlers, and exporters. The framework document states, “participants were unanimous in their opinion that USDA must undertake the challenge of overcoming the classification of KB as a quarantine pest (deregulation) while preserving wheat export markets.” This document, “Karnal Bunt Strategic Plan: Overcoming Karnal Bunt as a Quarantine Pest While Preserving Export Markets,” describes activities to be undertaken and accomplished towards the goal of overcoming Karnal bunt as a quarantine pest.

Although the strategic plan received USDA approval on August 8, 2002, many activities had been undertaken since the beginning of the year to accomplish actions identified for 2002. The 2002 accomplishment report is Appendix I.

During the next 3 years the success for removing domestic regulations for Karnal bunt will hinge on a number of key areas of cooperation and support. These areas include continued commitment by USDA, willingness of the U.S. and its foreign trading partners to modify their entry requirements, agreement among the states not to implement exterior quarantines, producer, handler, and export industry support, and willingness to accept the loss of some export markets.

To meet the annual targets that have been established task accountability and coordination by issue leaders are critical. This coordination will be provided through the USDA Karnal Bunt Coordinator for policy issues and USDA Karnal Bunt Task Force, composed of Agency representatives from the Department with continual communication with cooperators and stakeholders. An incremental approach for overcoming KB as a quarantine pest will require patience, requiring USDA action and stakeholder support. The strategic plan is a dynamic document with annual assessment of the strategy and accomplishments and development of “mid-stream” corrections (if necessary) to assure it remains on-track. It is understood that activities in the plan are interrelated and require linkages with the other plan’s components.

Each Karnal bunt activity or initiative undertaken should contribute to reaching the stated FY 2007 goal. Federal, state, and stakeholder decision makers should assess every decision and any proposed action in connection with Karnal bunt, including decisions on compensation and research, based on whether it would contribute to overcoming KB as a quarantine pest. Actions that would not contribute to this goal by Federal, state, and stakeholder decision makers should not be undertaken.

The following outlines the annual goals of the Karnal Bunt Strategic Plan: Overcoming Karnal Bunt as a Quarantine Pest While Preserving Export Markets:”

✓ FY 2002- Initiate and or complete FY 2002 actions.

FY 2003- Complete negotiation with 25% of the foreign trading partners to remove additional declaration restrictions or 25% of the grain trade requiring the additional declarations

FY 2004- Complete negotiation with 50% of the foreign trading partners to remove additional declaration restrictions or 50% of the grain trade requiring the additional declaration.

FY 2005- Complete discussions with category 1 trading partners and final discussions with remaining categories

FY 2006- Complete discussions with countries in categories 2-5

FY 2007- Rescind USDA quarantine regulations for Karnal bunt

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**Goal: FY 2003- Complete negotiation with 25% of the foreign trading partners to remove additional declaration restrictions or 25% of trade requiring the additional declaration.**

This year, year two of the strategic plan will focus on: continuing discussions with category one trading partners to reduce the number of countries requiring the additional declaration; initiating discussions with category two and three countries; facilitating future negotiations with new research information, undertaking initiatives with international organizations, i.e. North American Plant Protection Organization, coalition building with Mexico and South Africa, outreach to major trading partners, and the implementing of new technology in the National Survey. Effective and factual communication with trading partners and industry stakeholders will remain critical through the plan.

ISSUE/LEADER/ACTIONS	TEAM	DATE
<p><b>Coordination:</b> Dr. Chuck Lambert, Deputy Undersecretary, Farm &amp; Foreign Agricultural Services</p> <p>1. Summarize and prepare a report of 2002 accomplishments.- <b>Bob Spaide (PPQ)</b></p> <p>2. Coordinate an annual assessment of the strategy to assure that the strategy is on track and coordinate preparation of adjustments to the strategic plan. <b>Bob Spaide (PPQ)</b></p>	<p>1. USDA Task Force, NPB, NASDA</p> <p>2. USDA Task Force, NPB</p>	<p>1. 1<sup>st</sup> Quarter</p> <p>2. 2<sup>nd</sup> Quarter</p>
<p><b>Communication:</b> Meghan Thomas, Public Affairs Specialist, Legislative and Public Affairs, APHIS</p> <p>1. Schedule industry and Hill briefings- <b>USDA Mission Areas</b></p> <p>2. Participate in National, Regional, and local industry meetings to provide information about the pathogen, disease etiology, and program activities. <b>USDA Mission Areas</b></p> <p>3. Maintain public relations rapid response capability to deal with emerging issues. – <b>Meghan Thomas (LPA)</b></p> <p>4. Maintain KB websites- <b>Joel Floyd (PPQ) and Meghan Thomas (LPA)</b></p> <p>5. Maintain Hotline- 1888-661-8083- <b>Bob Spaide (PPQ)</b></p> <p>6. Coordinate with States, industry public relations organizations, trade associations in the development and distribution of news release information - <b>Meghan Thomas (LPA)</b></p> <p>7. Maintain system for 1) timely and effective information sharing, 2) ensuring stakeholder collaboration and cooperation including fact sheets, and public service announcements. <b>Meghan Thomas (LPA)</b></p>	<p>1. USDA, cooperators, and stakeholders</p> <p>2. USDA, cooperators, and stakeholders</p> <p>3. APHIS-LPA</p> <p>4. APHIS-PPQ &amp; LPA</p> <p>5. APHIS-PPQ</p> <p>6. APHIS-LPA,</p> <p>7. APHIS-LPA</p>	<p>1. Ongoing</p> <p>2. Ongoing</p> <p>3. Ongoing</p> <p>4. Ongoing</p> <p>5. Ongoing</p> <p>6. Ongoing</p> <p>7. Ongoing</p>

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<p><b><u>International Activities:</u></b> Robert Reimenschneider, Director, Grain and Feed Division, Foreign Agricultural Service</p> <p>1. Based on the list of countries developed in 2002 prepare strategy by category and individual country for reducing restrictions imposed by country. <b>Robert Reimenschneider (FAS)</b></p> <p>2. Initiate negotiations, both official and industry with foreign government and industry representatives in all countries in the first category. <b>Robert Reimenschneider (FAS)</b></p> <p>3. Initiate communication/negotiations both official and industry with the government and industry representatives with countries in categories two and three. <b>Robert Reimenschneider (FAS)</b></p> <p>4. Conclude negotiations with Mexico to harmonize KB restrictions. <b>Alan Green (PPQ)</b></p> <p>5. Participate in international meetings to provide KB information and updates and emphasize that KB is a minor disease of no quarantine significance. i.e. NAPPO <b>USDA Task Force</b></p> <p>6. Maintain effective phytosanitary certification program to meet importing country's phytosanitary requirements. <b>Alan Green (PPQ)</b></p> <p>7. Continue evaluations of alternatives to the area freedom concept to facilitate the export of wheat, such systems approach to "area freedom" to meet importing countries requirements <b>Scott Redlin (PPQ)</b></p> <p>8. Participate in International Phytopathological meeting in New Zealand <b>Rick Bennett (ARS)</b></p>	<p>1. FAS, APHIS-PPQ&amp;IS, industry</p> <p>2. FAS, APHIS-PPQ &amp; IS, industry</p> <p>3. FAS, APHIS-PPQ&amp;IS, industry</p> <p>4. FAS, APHIS-PPQ&amp;IS</p> <p>5. Task Force Agencies</p> <p>6. FAS</p> <p>7. Kitty Cardwell CSREES, Rick Bennett ARS</p> <p>8. USDA Task Force</p>	<p>1. 2<sup>nd</sup> Quarter</p> <p>2. 3<sup>rd</sup> Quarter</p> <p>3. 3<sup>rd</sup> Quarter</p> <p>4. 2<sup>nd</sup> Quarter</p> <p>5. Ongoing</p> <p>6. Ongoing</p> <p>7. Ongoing</p> <p>8. 2<sup>nd</sup> Quarter</p>
<p><b><u>National Activities:</u></b> Mike Stefan, Director, SEPPC (PPQ)</p> <p style="text-align: center;"><b>Compensation</b></p> <p>1. Update current compensation regulations. <b>Bob Spaide (PPQ)</b></p> <p style="text-align: center;"><b>Regulations</b></p> <p>2. Publish revision 7CFR301.89-3, to reduce the number of regulated areas in NM, TX and CA quarantined because of contaminated seed planted in 1996 and update list of regulated/deregulated areas. <b>Bob Spaide (PPQ)</b></p> <p>3. Publish revision of 7CFR301.89 utilizing updated technological and operational information. <b>Bob Spaide (PPQ)</b></p> <p>4. Revise 7CFR319.59 to harmonize requirements with 7CFR301.89 <b>Bob Spaide/Wayne Burnett (PPQ)</b></p>	<p>1. APHIS-PPD, Elizabeth Hill, Raellen Erickson (FSA-DAFP), Steve Gill or Candy Thompson (FSA- DACO)</p> <p>2. APHIS-PPD</p> <p>3. APHIS-PPD</p> <p>4. APHIS-PPD</p>	<p>1. 2<sup>nd</sup> Quarter</p> <p>2. 1<sup>st</sup> Quarter</p> <p>3. 1<sup>st</sup> Quarter</p> <p>4. 1<sup>st</sup> Quarter</p>

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5. Initiate discussions with National Association of State Departments (NASDA) of Agriculture and National Plant Board (NPB) to obtain agreement regarding the implementation of exterior state quarantines for KB. <b>Bobby Acord (APHIS)</b>	5. SPRO	5.2 <sup>nd</sup> Quarter
<b>Operations</b>		
6. Revise the National Survey Plan to incorporate information obtained from climatological data gathered in 2002. <b>Joel Floyd (PPQ)</b>	6. PPQ	6. 1 <sup>st</sup> Quarter
<b>Scientific Support:</b> Rick Bennett, National Program Leader, ARS		
1. Continue to be the repository for cataloging existing risk assessments and clearing house to provide advice and guidance for PRA development. <b>Ron Sequeira (PPQ)</b>	1. Rick Bennett (ARS), Kitty Cardwell (CSREES), Gary Volke (ERS)	1. Ongoing
2. Complete the preparation a risk assessment identifying the risk of spreading KB through wheat processing procedures. <b>Ron Sequeira (PPQ)</b>	2. Rick Bennett (ARS), Kitty Cardwell (CSREES)	2. 3 <sup>rd</sup> Quarter
3. Initiate risk assessment using climatological models to determine host range characteristics for KB. <b>Ron Sequeira (PPQ)</b>	3. Rick Bennett (ARS), Kitty Cardwell	3. 2 <sup>nd</sup> Quarter
4. Update and distribute information for KB best management practices. <b>Kitty Cardwell (CSREES)</b>	4. Rick Bennett (ARS), Scott Redlin (PPQ)	4. 3 <sup>rd</sup> Quarter
5. Continue studies to develop information needed to establish field spore threshold limits and geographical range limits for the disease. <b>Rick Bennett (ARS)</b>	5. ARS, Scott Redlin (PPQ)	5. Ongoing
6. Continue studies to develop information regarding the viability and longevity of teliospores in soil. <b>Rick Bennett (ARS)</b>	6. ARS, Scott Redlin (PPQ)	6. Ongoing
7. Continue studies to develop information to identify optimal temperature/humidity requirements for teliospore development. <b>Rick Bennett (ARS)</b>	7. ARS, Scott Redlin (PPQ)	7. Ongoing
8. Continue work on the development of new, cost effective control methods, including post harvest treatments and seed treatments. <b>Rick Bennett (ARS)</b>	8. ARS, Scott Redlin (PPQ), to be determined	8. Ongoing

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**Goal: FY 2004- Complete negotiation with 50% of the foreign trading partners to remove additional declaration restrictions or 50% of trade requiring the additional declaration.**

Year three of the strategic plan will focus on continuing discussions with category one trading partners to reduce the number of countries requiring the additional declaration; expanding discussions with category two and three countries; initiating discussions with category four and five countries; continuation of research initiatives; initiatives with international organizations, i.e. North American Plant Protection Organization will continue; and initiate the assessment process for the rulemaking process for deregulation. Effective and factual communication with trading partners and industry stakeholders will remain critical through the plan.

ISSUE/LEADER/ACTIONS	TEAM	DATE
<p><b>Coordination:</b> Dr. Chuck Lambert, Deputy Undersecretary, Farm and Foreign Agricultural Services</p> <p>1. Summarize and prepare a report of 2003 accomplishments.- <b>Bob Spaide (PPQ)</b></p> <p>2. Coordinate an annual assessment of the strategy to assure that the strategy is on track and coordinate preparation of adjustments to the strategic plan. <b>Bob Spaide (PPQ)</b></p>	<p>1. USDA Task Force, NPB, NASDA</p> <p>2. USDA Task Force, NPB</p>	<p>1. 1<sup>st</sup> Quarter</p> <p>2. 2<sup>nd</sup> Quarter</p>
<p><b>Communication:</b> Meghan Thomas, Public Affairs, Legislative and Public Affairs, APHIS</p> <p>1. Schedule industry and Hill briefings- <b>USDA Mission Areas</b></p> <p>2. Participate in National, Regional, and local industry meetings to provide information about the pathogen, disease etiology, and program activities. -<b>USDA Mission Areas</b></p> <p>3. Maintain public relations rapid response capability to deal with emerging issues. - <b>Meghan Thomas (LPA)</b></p> <p>4. Maintain KB websites- <b>Joel Floyd (PPQ), Meghan Thomas (LPA)</b></p> <p>5. Maintain Hotline- 1888-661-8083- <b>Bob Spaide (PPQ)</b></p> <p>6. Coordinate with States, industry public relations organizations, trade associations in the development and distribution of news release information. <b>Meghan Thomas (LPA)</b></p> <p>7. Maintain system for 1) timely and effective information sharing, 2) ensuring stakeholder collaboration and cooperation including fact sheets, and public service announcements. <b>Meghan Thomas (LPA)</b></p>	<p>1. USDA, cooperators, and stakeholders</p> <p>2. USDA, cooperators, and stakeholders</p> <p>3. APHIS-LPA</p> <p>4. APHIS-PPQ &amp; LPA</p> <p>5. APHIS-PPQ</p> <p>6. APHIS-LPA</p> <p>7. APHIS-LPA</p>	<p>1. Ongoing</p> <p>2. Ongoing</p> <p>3. Ongoing</p> <p>4. Ongoing</p> <p>5. Ongoing</p> <p>6. Ongoing</p> <p>7. Ongoing</p>

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<p><b><u>International Activities:</u></b> Robert Reimenschneider, Director, Grain and Feed Division, Foreign Agricultural Service</p> <p>1. Continue negotiations, both official and industry with the government and industry representatives to include all countries in the first category. <b>Robert Reimenschneider (FAS)</b></p> <p>2. Expand communication/negotiations both official and industry with the government and industry representatives with countries in categories two and three. <b>Robert Reimenschneider (FAS)</b></p> <p>3. Initiate communication/negotiations both official and industry with the government and industry representatives with countries in the in categories four and five. <b>Robert Reimenschneider (FAS)</b></p> <p>4. Participate in international meetings to provide KB information and updates and emphasize that KB is a minor pest of no quarantine significance. i.e. NAPPO</p> <p>5. Maintain effective phytosanitary certification program to meet importing country's phytosanitary requirements. <b>Alan Green (PPQ)</b></p> <p>6. Complete evaluations of alternatives, such systems approach to "area freedom" to meet importing countries requirements. <b>Scott Redlin (PPQ)</b></p>	<p>1. FAS, APHIS-PPQ&amp;IS</p> <p>2. FAS, APHIS-PPQ&amp;IS</p> <p>3. FAS, APHIS-IS</p> <p>4. Task Force Agencies</p> <p>5. SEPPC (PPQ)</p> <p>6. Kitty Cardwell (CSREES), Rick Bennett (ARS)</p>	<p>1. Ongoing</p> <p>2. 1<sup>st</sup> Quarter</p> <p>3. 1<sup>st</sup> Quarter</p> <p>4. Ongoing</p> <p>5. Ongoing</p> <p>6. 2<sup>nd</sup> Quarter</p>
<p><b><u>National Activities:</u></b> Mike Stefan, Director, SEPPC (PPQ)</p> <p style="text-align: center;"><b>Compensation</b></p> <p>1. Update current compensation regulations. <b>Bob Spaide (PPQ)</b></p> <p style="text-align: center;"><b>Regulations</b></p> <p>2. Publish Advanced Notice of Proposed Rulemaking for rescinding 7CFR301.89.</p> <p>3. Continue discussions with NASDA and NPB to obtain agreement regarding the implementation of exterior state quarantines for KB. <b>Bobby Acord (APHIS)</b></p> <p style="text-align: center;"><b>Operations</b></p> <p>4. Revise the National Survey Plan to incorporate information obtained from technological advances. <b>Joel Floyd (PPQ)</b></p>	<p>1. APHIS-PPD, Elizabeth Hill, Raellen Erickson (FSA-DAFP), Steve Gill or Candy Thompson (FSA- DACO), Mike Hand (FSA- RMA)</p> <p>2. APHIS-PPD</p> <p>3. PPQ</p> <p>4. SPROs, Rick Bennett (ARS)</p>	<p>1. 2<sup>nd</sup> Quarter</p> <p>2. 2<sup>nd</sup> Quarter</p> <p>3. Ongoing</p> <p>4. 1<sup>st</sup> Quarter</p>
<p><b><u>Scientific Support:</u></b> Rick Bennett, National Program Leader, ARS</p> <p>1. Continue to be the repository for cataloging existing risk assessments and clearing house to provide advice and guidance for PRA development.- Ron Sequeira (PPQ-CPHST)</p>	<p>Rick Bennett (ARS), Kitty Cardwell (CSREES), Gary Volke (ERS)</p>	<p>1. Ongoing</p>

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2. Update and distribute information for KB best management practices. <b>Kitty Cardwell (CSREES)</b>	2. Rick Bennett (ARS), Scott Redlin (PPQ)	2. Ongoing
3. Complete risk assessment using climatological models to determine host range characteristics for KB. <b>Ron Sequeira (PPQ)</b>	3. Rick Bennett (ARS), Kitty Cardwell (CSREES)	3. 4 <sup>th</sup> Quarter
4. Complete studies to develop information needed to establish field spore threshold limits and geographical range limits for the disease. <b>Rick Bennett (ARS)</b>	4. ARS, Scott Redlin (PPQ)	4. 4 <sup>th</sup> Quarter
5. Complete studies to develop information regarding the viability and longevity of teliospores in soil. <b>Rick Bennett (ARS)</b>	5. ARS, Scott Redlin (PPQ)	5. 4 <sup>th</sup> Quarter
6. Complete studies to develop information to identify optimal temperature/humidity requirements for teliospore development. <b>Rick Bennett (ARS)</b>	6. ARS, Scott Redlin (PPQ)	6. 4 <sup>th</sup> Quarter
7. Continue work on the development of new, cost effective control methods, including post harvest treatments and seed treatments. <b>Rick Bennett (ARS)</b>	7. ARS, Scott Redlin (PPQ), to be determined	7. Ongoing



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**Goal FY 2005- Complete discussions with category one trading partners and final discussions with remaining categories**

Year four of the strategic plan will focus on completing discussions with category one trading partners and final discussions with categories 2-5; reduction of research activities; participation with international organizations, i.e. North American Plant Protection Organization will continue; and continuation of the rulemaking process for deregulation. Effective and factual communication with trading partners and industry stakeholders will remain critical through the plan.

ISSUE/LEADER/ACTIONS	TEAM	DATE
<p><b>Coordination:</b> Dr. Chuck Lambert, Deputy Undersecretary, Farm and Foreign Agricultural Services</p> <p>1. Summarize and prepare a report of 2004 accomplishments.- <b>Bob Spaide (PPQ)</b></p> <p>2. Coordinate an annual assessment of the strategy to assure that the strategy is on track and coordinate preparation of adjustments to the strategic plan. <b>Bob Spaide (PPQ)</b></p>	<p>1. USDA Task Force, NPB, NASDA</p> <p>2. USDA Task Force, NPB</p>	<p>1. 1<sup>st</sup> Quarter</p> <p>2. 2<sup>nd</sup> Quarter</p>
<p><b>Communication:</b> Meghan Thomas, Public Affairs, Legislative and Public Affairs, APHIS</p> <p>1. Schedule industry and Hill briefings- <b>USDA Mission Areas</b></p> <p>2. Participate in National, Regional, and local industry meetings to provide information about the pathogen, disease etiology, and program activities. <b>USDA Mission Areas</b></p> <p>3. Maintain public relations rapid response capability to deal with new outbreak issues. - <b>Meghan Thomas (LPA)</b></p> <p>4. Maintain KB websites- <b>Joel Floyd(PPQ), Meghan Thomas (LPA)</b></p> <p>5. Maintain Hotline- 1888-661-8083- <b>Bob Spaide (PPQ)</b></p> <p>6. Coordinate with States, industry public relations organizations, trade associations in the development and distribution of news release information - <b>Meghan Thomas (LPA)</b></p> <p>7. Maintain system for 1) timely and effective information sharing, 2) ensuring stakeholder collaboration and cooperation including fact sheets, and public service announcements. <b>Meghan Thomas (LPA)</b></p> <p>8. Develop communication plan for deregulation announcement. <b>Meghan Thomas (LPA)</b></p>	<p>1. USDA, cooperators, and stakeholders</p> <p>2. USDA, cooperators, and stakeholders</p> <p>3. APHIS-LPA</p> <p>4. APHIS-PPQ &amp; LPA</p> <p>5. APHIS-PPQ</p> <p>6. APHIS-LPA</p> <p>7. APHIS- LPA</p> <p>8. LPA</p>	<p>1. Ongoing</p> <p>2. Ongoing</p> <p>3. Ongoing</p> <p>4. Ongoing</p> <p>5. Ongoing</p> <p>6. Ongoing</p> <p>7. Ongoing</p> <p>8. 4<sup>th</sup> Quarter</p>

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**December 12, 2002**

<p><b><u>International Activities:</u></b> Robert Reimenschneider, Director, Grain and Feed Division, Foreign Agricultural Service</p> <p>1. Complete negotiations, both official and industry with foreign government and industry representatives to include all countries in the first category. <b>Robert Reimenschneider (FAS)</b></p> <p>2. Continue communication/negotiations, both official and industry with the government and industry representatives with countries in categories two and three. <b>Robert Reimenschneider (FAS)</b></p> <p>3. Continue communication/negotiations, both official and industry with the government and industry representatives with countries in the in categories four and five. <b>Robert Reimenschneider (FAS)</b></p> <p>4. Participate in international meetings to provide KB information and updates and emphasize that KB is a minor disease of no quarantine significance. i.e. NAPPO. <b>USDA Mission Areas</b></p> <p>5. Maintain effective phytosanitary certification program to meet importing country's phytosanitary requirements. <b>Alan Green (PPQ)</b></p>	<p>1. FAS, APHIS-PPQ&amp;IS,</p> <p>2. FAS, APHIS-PPQ&amp;IS,</p> <p>3. FAS, APHIS-PPQ&amp;IS</p> <p>4. Task Force Agencies</p> <p>5. SEPPC (PPQ)</p>	<p>1. 4<sup>th</sup> Quarter</p> <p>2. Ongoing</p> <p>3. Ongoing</p> <p>4. Ongoing</p> <p>5. Ongoing</p>
<p><b><u>National Activities:</u></b> Mike Stefan, Director, SEPPC (PPQ)</p> <p style="text-align: center;"><b>Compensation</b></p> <p>No actions proposed</p> <p style="text-align: center;"><b>Regulations</b></p> <p>1. Complete review and responses to comments received from publication of the Advanced Notice for Proposed Rulemaking. <b>Bob Spaide (PPQ)</b></p> <p>2. Complete discussions with NASDA and NPB to obtain agreement not to implement exterior state quarantines for KB. <b>Bobby Acord (APHIS)</b></p> <p style="text-align: center;"><b>Operations</b></p> <p>3. Revise the National Survey Plan considering advances in equivalent management systems and best management practices. <b>Joel Floyd (PPQ)</b></p>	<p>1. APHIS-PPD</p> <p>2. PPQ</p> <p>3. SPRO, Rick Bennett (ARS)</p>	<p>1. 2<sup>nd</sup> Quarter</p> <p>2. 4<sup>th</sup> Quarter</p> <p>3. 1<sup>st</sup> Quarter</p>
<p><b><u>Scientific Support:</u></b> Rick Bennett, National Program Leader, ARS</p> <p>1. Continue to be the repository for cataloging existing risk assessments and clearing house to provide advice and guidance for PRA development.- <b>Ron Sequeira (PPQ-CPHST)</b></p> <p>2. Update and distribute information for KB best management practices. <b>Kitty Cardwell (CSREES)</b></p> <p>3. Continue work on the development of new, cost effective control methods, including post harvest treatments and seed treatments. <b>Rick Bennett (ARS)</b></p>	<p>1. Rick Bennett (ARS), Kitty Cardwell (CSREES), Gary Volke (ERS)</p> <p>2. Rick Bennett (ARS), Scott Redlin (PPQ)</p> <p>3. ARS, Scott Redlin (PPQ),to be determined</p>	<p>1. Ongoing</p> <p>2. Ongoing</p> <p>3. Ongoing</p>

**FY 2006- Complete discussions with country categories 2-5**

Year five of the strategic plan will focus on completing discussions with the remaining country categories; participation with international organizations, i.e. North American Plant Protection Organization will continue; and continue the rulemaking process for overcoming KB as a quarantine pest. Effective and factual communication with trading partners and industry stakeholders will remain critical through the plan.

ISSUE/LEADER/ACTIONS	TEAM	DATE
<p><b><u>Coordination:</u></b> Dr. Chuck Lambert, Deputy Undersecretary, Farm and Foreign Agricultural Services</p> <p>1. Summarize and prepare a report of 2005 accomplishments.- <b>Bob Spaide (PPQ)</b></p> <p>2. Coordinate an annual assessment of the strategy to assure that the strategy is on track and coordinate preparation of adjustments to the strategic plan. <b>Bob Spaide (PPQ)</b></p>	<p>1. USDA Task Force, NPB, NASDA</p> <p>2. USDA Task Force, NPB</p>	<p>1. 1st. Quarter</p> <p>2. 2<sup>nd</sup>. Quarter</p>
<p><b><u>Communication:</u></b> Meghan Thomas, Director, Public Affairs, Legislative and Public Affairs, APHIS</p> <p>1. Schedule industry and Hill briefings- <b>USDA Mission Areas</b></p> <p>2. Participate in National, Regional, and local industry meetings to provide information about the pathogen, disease etiology, and program activities. <b>USDA Mission Areas</b></p> <p>3. Maintain public relations rapid response capability to deal with new outbreak issues. – <b>Meghan Thomas (LPA)</b></p> <p>4. Maintain KB websites- <b>Joel Floyd (PPQ), Meghan Thomas (LPA)</b></p> <p>5. Maintain Hotline- 1888-661-8083- <b>Bob Spaide (PPQ)</b></p> <p>6. Coordinate with States, industry public relations organizations, trade associations in the development and distribution of news release information - <b>Meghan Thomas (LPA)</b></p> <p>7. Maintain system for 1) timely and effective information sharing, 2) ensuring stakeholder collaboration and cooperation including fact sheets, and public service announcements. <b>Meghan Thomas (LPA)</b></p> <p>8. Implement deregulation communication plan- <b>Meghan Thomas (LPA)</b></p>	<p>1. USDA, cooperators, and stakeholders</p> <p>2. USDA, cooperators, and stakeholders</p> <p>3. APHIS-LPA</p> <p>4. APHIS-PPQ &amp; LPA</p> <p>5. APHIS-PPQ</p> <p>6. APHIS-LPA</p> <p>7. APHIS- LPA</p> <p>8. APHIS-LPA</p>	<p>1. Ongoing</p> <p>2. Ongoing</p> <p>3. Ongoing</p> <p>4. Ongoing</p> <p>5. Ongoing</p> <p>6. Ongoing</p> <p>7. Ongoing</p> <p>8. 3<sup>rd</sup> Quarter</p>

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<p><b><u>International Activities:</u></b> Robert Reimenschneider, Director, Grain and Feed Division, Foreign Agricultural Service</p> <p>1. Complete communication/negotiations, both official and industry with the government and industry representatives with countries in the second and third categories. <b>Robert Reimenschneider (FAS)</b></p> <p>2. Complete communication/negotiations, both official and industry with the government and industry representatives with countries in the in categories four and five. <b>Robert Reimenschneider (FAS)</b></p> <p>3. Participate in international meetings to provide KB information and updates and emphasize that KB is not considered a pest of quarantine significance. i.e. NAPPO. <b>USDA Mission Areas</b></p> <p>4. Maintain effective phytosanitary certification program to meet importing country's phytosanitary requirements. <b>Alan Green (PPQ)</b></p>	<p>1. FAS, PPQ, APHIS-IS,</p> <p>2. FAS, APHIS-IS</p> <p>3. Task Force Agencies</p> <p>4. SEPPC (PPQ)</p>	<p>1. 4<sup>th</sup> Quarter</p> <p>2. 4<sup>th</sup> Quarter</p> <p>4. Ongoing</p> <p>5. Ongoing</p>
<p><b><u>National Activities:</u></b> Mike Stefan, Director, SEPPC (PPQ)</p> <p style="text-align: center;"><b>Compensation</b></p> <p>No actions proposed</p> <p style="text-align: center;"><b>Regulations</b></p> <p>1. Prepare proposed rule to rescind 7CFR301.89- <b>Bob Spaide (PPQ)</b></p> <p style="text-align: center;"><b>Operations</b></p> <p>2. Discontinue National Survey</p>	<p>1. APHIS-PPD</p>	<p>1. 1<sup>st</sup> Quarter</p>
<p><b><u>Scientific Support:</u></b> Rick Bennett, National Program Leader, ARS</p> <p>1. Continue to be the repository for cataloging existing risk assessments and clearing house to provide advice and guidance for PRA development.- <b>Ron Sequeira (PPQ)</b></p> <p>2. Update and distribute information for KB best management practices. <b>Kitty Cardwell (CSREES)</b></p> <p>3. Complete work on the development of new, cost effective control methods, including post harvest treatments and seed treatments. <b>Rick Bennett (ARS)</b></p>	<p>1. Rick Bennett (ARS), Kitty Cardwell (CSREES), Gary Volke (ERS)</p> <p>2. ARS, Scott Redlin (PPQ)</p> <p>3. ARS, Scott Redlin (PPQ), to be determined</p>	<p>1. Ongoing</p> <p>2. 3<sup>rd</sup> Quarter</p> <p>3. 4<sup>th</sup> Quarter</p>

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**FY 2007- Rescind USDA quarantine regulations for Karnal bunt**

Year six of the strategic plan will focus on completing the actions necessary to rescind 7CFR301.89. Effective and factual communication with trading partners and industry stakeholders will remain critical through the plan.

ISSUE/LEADER/ACTIONS	TEAM	DATE
<p><b>Coordination:</b> Dr. Chuck Lambert, Deputy Undersecretary, Farm and Foreign Agricultural Services</p> <p>1. Summarize and prepare a report of 2006 accomplishments.- <b>Bob Spaide</b></p> <p>2. Coordinate the development of the final report. <b>Bob Spaide (PPQ)</b></p>	<p>1. USDA Task Force, NPB, NASDA</p> <p>2. USDA Task Force, NPB</p>	<p>1. 1<sup>st</sup> Quarter</p> <p>2. 2<sup>nd</sup> Quarter</p>
<p><b>Communication:</b> Meghan Thomas, Public Affairs, Legislative and Public Affairs, APHIS</p> <p>1. Schedule industry and Hill briefings- <b>USDA Mission Areas</b></p> <p>2. Participate in National, Regional, and local industry meetings to provide information about the pathogen, disease etiology, and program activities. <b>USDA Mission Areas</b></p> <p>3. Maintain KB websites- <b>Joel Floyd (PPQ), Meghan Thomas (LPA)</b></p> <p>4. Maintain Hotline- 1888-661-8083- <b>Bob Spaide (PPQ)</b></p> <p>5. Coordinate with States, industry public relations organizations, trade associations in the development and distribution of news release information - <b>Meghan Thomas (LPA)</b></p> <p>6. Maintain system for 1) timely and effective information sharing, 2) ensuring stakeholder collaboration and cooperation including fact sheets, and public service announcements. <b>Meghan Thomas (LPA)</b></p>	<p>1. USDA, cooperators, and stakeholders</p> <p>2. USDA, cooperators, and stakeholders</p> <p>3. APHIS-PPQ &amp; LPA</p> <p>4. APHIS-PPQ</p> <p>5. APHIS-LPA, Elizabeth Hill (FSA-DAFP)</p> <p>6. APHIS- LPA</p>	<p>1. Ongoing</p> <p>2. Ongoing</p> <p>3. Ongoing</p> <p>4. 4<sup>th</sup> Quarter</p> <p>5. Ongoing</p> <p>6. Ongoing</p>
<p><b>International Activities:</b> Robert Reimenschneider, Director, Grain and Feed Division, Foreign Agricultural Service</p> <p>1. Continue to monitor international concerns about KB.</p>	<p>1. Alan Green (PPQ), APHIS-IS</p>	<p>1. Ongoing</p>
<p><b>National Activities:</b> Mike Stefan, Director, SEPPC</p> <p><b>Compensation</b></p> <p>1. No actions proposed</p> <p><b>Regulations</b></p> <p>2. Publish Final Rule rescinding 7CFR301.89- <b>Bob Spaide (PPQ)</b></p> <p><b>Operations</b></p> <p>3. Maintain effective export certification program to meet importing country's phytosanitary requirements. <b>Alan Green (PPQ)</b></p>	<p>1. APHIS-PPD</p> <p>2. SPRO</p>	<p>1. 4<sup>th</sup> Quarter</p> <p>2. Ongoing</p>

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<b><u>Scientific Support:</u></b> Rick Bennett, National Program Leader, ARS		
1. No actions proposed		

**KARNAL BUNT STRATEGIC PLAN**

**OVERCOMING KARNAL BUNT AS A QUARANTINE PEST**

**WHILE PRESERVING EXPORT MARKETS**

**2002 ACCOMPLISHMENT REPORT**

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November 2, 2002

## **Karnal Bunt Strategic Plan December 12, 2002**

### Summary

The FY-2002 goal for the “Karnal Bunt Strategic Plan: Overcoming Karnal Bunt as a Quarantine Pest While Preserving Export Markets,” was simply to initiate the plan and complete planned actions for the first year. The 2002 Accomplish Report provides information and the status of each action undertaken during the fiscal year. USDA approved the plan on August 8, 2002, which continued the momentum started in April.

The plan has 5 primary components. They are coordination, communication, international activities, national activities, and scientific support. A USDA official was designated to provide leadership for each component. Further, each component was composed of specific actions to be completed or undertaken during FY-2002. Accountable officials were identified for each action item.

Progress was made in all areas of the plan during FY-2002. Dr. Jim Butler, Deputy Under Secretary, Marketing and Regulatory Programs was designated USDA Coordinator for Karnal Bunt Policy Issues. This selection ignited initiation of actions to address activities found in the strategic plan. Perhaps the most visible component of the plan is communication. A communication effort was undertaken locally through a number of public meetings and written information which provided information about the program; state level with information sharing; nationally with interested stakeholders, state officials, and industry associations; and with members of Congress. Stakeholders confirmed that USDA outreach and communication activities met their needs and provided information that was factual, timely, and relevant to the user. Communication activities provided the forum to support building a coalition of stakeholders representing the federal, state, industry, and academic communities.

The international activities component demonstrated it will be the most complex and challenging component of the five. All international activities actions, except the initiation of alternatives to the area freedom concept have been undertaken and will continue to complement 2003 actions. In addition, we plan to combine the KB management action with a similar activity in the scientific support component. We understand the thrust of our effort in 2003 must be targeted toward international activities. National activities were well supported and much progress was made during FY-2002. We were fortunate we had the necessary support to publish regulation changes in a timely manner facilitating compensation payments and rule modifications. The operational line program had outstanding leadership fielding experienced personnel to satisfy the needs of the stakeholders. We also express our appreciation to those Agricultural Marketing Service, Tobacco and Cotton Graders that did such an outstanding job.

Research and methods development activities found in scientific support were undertaken or continued will be pursued through 2002. The scientific support component provided unforeseen program benefits through adaptation of optical scanner technology to expedite the processing of grain samples for bunted kernels and roaster technology as a post harvest treatment.

### Assessment

In FY-2002, we received approval for and initiated the “Karnal Bunt Strategic Plan: Overcoming Karnal Bunt as a Quarantine Pest While Preserving Export Markets” and actions to support activities in FY-2003. We were successful in completing a number of planned activities in FY-2002 that laid the foundation for difficult tasks starting in FY-2003, specifically those in international activities. Further progress will depend on commitment by USDA; willingness of the U.S. and its foreign trading partners to modify their entry requirements; agreement among the states not to implement exterior quarantines; producer, handler, and export industry support; and acknowledging the potential loss of certain export markets.



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Goal: FY 2002- Initiate and or complete FY 2002 actions.

Year one of this plan, FY 2002 will be dedicated to a number of specific objectives. First, we will need to (1) communicate the strategic plan among Federal, State, and stakeholders to achieve a unified direction for overcoming Karnal bunt as a quarantine pest and to increase awareness of Karnal bunt issues and program activities; (2) provide the underpinning for future actions by initiating or completing actions identified for 2002, (3) review progress and when necessary identify additional actions or modify actions in future years.

ISSUE/LEADER/ACTIONS	COMPLETE BY	2002 ACCOMPLISHMENTS
<p><b><u>Coordination:</u></b> USDA</p> <p>1. Designate a USDA official for the coordination of USDA activities for planning and implementation of policies and procedures towards overcoming KB as a quarantine pest while preserving exports.</p> <p>2. Complete, distribute and implement strategic plan- <b>Bob Spaide (PPQ)</b></p>	<p>1. 2<sup>nd</sup> Quarter</p> <p>2. 3/22/02</p>	<p>1. Late in FY-2001, the Office of the Secretary designated Helene Wright as the interim USDA Coordinator for Karnal bunt issues. On January 15, 2002, Dr. Jim Butler, Deputy Under Secretary, Marketing and Regulatory Programs was designated USDA Coordinator for Karnal Bunt Policy Issues.</p> <p>2. The first draft of the “Karnal Bunt Strategic Plan Overcoming KB as a Quarantine Pest While Preserving Export Markets,” was distributed for comment on March 6, 2002. After revisions and vetting the plan was approved USDA on August 2, 2002. The plan was distributed and posted on the KB website on September 16, 2002.</p>

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<p><b>Communication:</b> Meghan Thomas, Public Affairs Specialist, Legislative and Public Affairs, APHIS</p>		
<p>1. Schedule industry and Hill briefings- <b>USDA Mission Areas</b></p>	<p>1. Ongoing</p>	<p>1. Numerous briefings and meetings on the Hill and at USDA were held at the request of USDA and Congressional offices. Topics ranged from program updates, questions about compensation, and trade.</p>
<p>2. Participate in National, Regional, and local industry meetings to provide information about the pathogen, disease etiology, and program activities. <b>USDA Mission Areas</b></p>	<p>2. Ongoing</p>	<p>2. In addition to the many meetings at USDA with stakeholders, staff participated in meetings and workshops in Oklahoma, Texas, Kansas, California, New Mexico, Arizona, South Dakota, Washington, Florida, Montana, and Oregon. Approximately 18 grower meetings were held in North Texas throughout the year. The meetings and workshops addressed a issues associated with the 2002 operational program and provided information about the direction of the strategic plan.</p>
<p>3. Establish public relations rapid response capability to deal with new outbreak issues. – <b>Meghan Thomas (LPA)</b></p>	<p>3. 3<sup>rd</sup> Quarter</p>	<p>3. Historically, APHIS Legislative and Public Affairs (LPA) have been positioned to provide the necessary onsite program support. In April 2002, the LPA Director had provided a plan for support if a new outbreak was detected. The plan included backup provisions for staff that maybe unavailable.</p>
<p>4. Maintain KB websites- <b>Joel Floyd (PPQ) and Meghan Thomas</b></p>	<p>4. Ongoing</p>	<p>4. The website has undergone continual updating through the 2002 crop season serving as an information source for program activities. During the summer of 2002 the site was updated daily to show the progress in the National Survey.</p>
<p>5. Maintain Hotline- 1888-661-8083- <b>Bob Spaide (PPQ)</b></p>	<p>5. Ongoing</p>	<p>5. The Hotline remained active through the crop year logging nearly 5 calls per month. Many of the calls were inquiring about the status of compensation, survey requirements within the regulated area, and certification requirements for regulated articles.</p>

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<p>6. Coordinate with States and industry public relations and news release information- <b>Meghan Thomas (LPA)</b></p> <p>7 Develop and conduct a system for 1) timely and effective information sharing, 2) ensuring stakeholder collaboration and cooperation including fact sheets, and public service announcements. <b>Meghan Thomas (LPA)</b></p>	<p>6. Ongoing</p> <p>7. 3<sup>rd</sup> Quarter</p>	<p>6. LPA worked very closely with states, particularly Texas officials in the preparation and coordination of news releases. Approximately 1500 posters were published and distributed providing contact numbers to address questions about the program. In addition, public service announcements, fact sheets, question and answer, alerts, outreach letters signed by Dr. Butler, and periodic updates were distributed.</p> <p>7. LPA evaluated its communication system for gathering and sharing information to ensure collaborator and stakeholder cooperation supported program activities. The system satisfies collaborator input and timely and effective information sharing. The 2003 program will be expanded to include communication through trade association media.</p>
<p><b><u>International Activities:</u></b> Robert Reimenschneider, Director, Grain and Feed Division, Foreign Agricultural Service</p> <p>1. Develop list of countries with KB AD requirements, conduct a qualitative assessment to categorize countries based on degree of difficulty in dealing with the country, wheat producer or not, importer or exporter of grain, and record of compliance with SPS agreement and prioritize list. <b>Robert Reimenschneider (FAS)</b></p> <p>a. Prepare strategy by category and individual country for reducing restrictions imposed by country.</p> <p>2. Initiate negotiations, both official and industry with the government and industry representatives of at least one top priority country. <b>Robert Reimenschneider (FAS)</b></p>	<p>1. 3<sup>rd</sup> Quarter</p> <p>1a. 4<sup>th</sup> Quarter</p> <p>2. 4<sup>th</sup> Quarter</p>	<p>1. USDA in collaboration with industry identified at least 45 countries with restrictions on wheat because of Karnal bunt. The actual number of countries is larger as the EU (15 member states) and Russia (Soviet block) were considered the regulation leaders for their respective "states." These countries were categorized and prioritized according to the criteria in 1.</p> <p>1a. A strategy was developed and implemented for category one countries. Currently Phytosanitary Issues Management, PPQ is completing information to address this category. Strategy for remaining countries will be developed in the 2<sup>nd</sup> quarter of 2003.</p> <p>2. Negotiations were initiated with a country in category one. We are hopeful work undertaken in 1a. will provide changes in some countries entry requirements.</p>

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3. Initiate negotiations with Mexico to harmonize KB restrictions. <b>Alan Green (PPQ)</b>	3. 4 <sup>th</sup> Quarter	3. A number of meeting between Mexico and US official occurred throughout the last half of FY-2002 regarding harmonization of KB restrictions. Changes in the 7CFR319.59 will support convincing MX we are serious about harmonization and deregulation of KB. In addition, work was initiated through NAPPO as a charge to the Grain Panel during the October 2002 meeting for North American trading partners.
4. Initiate work with North American and other trading partners to develop equivalent KB management programs as guidance to producers. <b>Scott Redlin (PPQ)</b>	4. 4 <sup>th</sup> Quarter	4. This recommendation will be consolidated with the revision of the 3 <sup>rd</sup> activity under Scientific Support.
5. Maintain effective phytosanitary certification program to meet importing country's phytosanitary requirements. <b>Alan Green (PPQ)</b>	5. Ongoing	5. No unusual circumstances affecting phytosanitary certification were noted.
6. Initiate evaluations of alternatives to the "area freedom" concept to facilitate the export of wheat, such systems approach to "area freedom" to meet importing countries requirements. <b>Scott Redlin (PPQ)</b>	6. 4 <sup>th</sup> Quarter	6. No activity.
<b><u>National Activities:</u></b> Mike Stefan, Director, SEPPC (PPQ)		
<b>Compensation</b>		
1. Publish revision of August 6, 2001 compensation rule- <b>Bob Spaide (PPQ)</b>	1. 2 <sup>nd</sup> Quarter	1. Docket number 01-112-1 regarding revisions to the August 6, 2001 Compensation Rule was published on May 1, 2002.
a. Communicate provisions of rule to stakeholders through public meetings and outreach.	1a. 5/1/02	1a. Public meetings were held with producers, handlers, and other stakeholders from Throckmorton, Archer and Young, and Baylor counties on May 14, 15, and 16, 2002, respectively.
2. Review existing compensation guidelines to ensure regulations are current. <b>Bob Spaide (PPQ)</b>	2. 5/15/02	2. A review of the compensation regulations indicated deficiencies for providing compensation for those unprecedented situations, found in North Texas in 2001, for new outbreaks in previously non-regulated areas and to custom harvesters cutting in previously non-regulated fields.

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3. Explore the possibility of Commodity Credit Corporation (CCC) purchasing positive and/or spore negative grain for aid programs. <b>Bob Spaide (PPQ)</b>	3. 9/15/02	3. The direct purchase of KB positive grain for foreign aid programs is not consistent with the CCC Charter Act, Specific Powers of Corporation (Sec.714c.).
4. Determine if KB compensation issues could be managed by a crop insurance program. <b>Mike Hand (FSA-RMA)</b>	4. 6/15/02	4. The RMA crop insurance program addresses loss of production and or quality deficiency against established standards. Because KB has not demonstrated the ability to cause production losses and quality is not impacted below 3% infection, crop insurance does not seem to be a viable alternative to current compensation.
<b>Regulations</b>		
5. Revise policy for taking action on wheat as an contaminate from KB countries to the bunted kernel standard. <b>Jim Smith, Assistant Director, Port Operations, PPQ</b>	5. 2/1/02	5. On February 1, 2002, PPQ revised its import policy for taking action on wheat as a contaminate from countries with KB to the bunted kernel standard.
6. Revise 7CFR301.89 to reduce the number of regulated areas in NM, TX and CA quarantined because of contaminated seed planted in 1996 and update list of regulated/deregulated areas. <b>Bob Spaide (PPQ)</b>	6. 4 <sup>th</sup> Quarter	6. Docket number 02-037-1 regarding changes to regulated areas NM, AZ, and TX was forwarded from PPQ on September 10, 2002. CA fields did not qualify because of having known infected fields. This docket also contains changes reducing the size of the regulated area in North Texas. Interim Rule published October 3, 2002
7. Revise 7CFR301.89 utilizing updated technological, scientific, and operational information. <b>Bob Spaide (PPQ)</b>	7. 4 <sup>th</sup> Quarter	7. The final editing by APHIS to 02-056-1 revising the domestic quarantine began on September 9, 2002.
8. Revise 7CRF319.59 to harmonize requirements with 7CFR301.89 <b>Bob Spaide/Wayne Burnett (PPQ)</b>	8. 4 <sup>th</sup> Quarter	8. Docket number 02-057-1 is undergoing revision to ensure consistency with provisions that will be proposed in 7CFR301.89.
9. Prepare drafts of documents necessary to declare new emergencies. <b>Steve Poe/Bob Spaide (PPQ)</b>	9. 5/1/02	9. Drafts of documents required to declare an emergency outbreak were develop and approved on April 30, 2002. This documentation would be required to expedite compensation payments if new areas were found positive for KB.
10. Initiate a study for the feasibility of implementing regulations for national standards for wheat, durum wheat and triticale seed. <b>Barry Carpenter (AMS)</b>	10. 4 <sup>th</sup> Quarter	10. Federal Seed Act, Grain Standards, nor APHIS authorities provide for an enforceable standard. Industry has suggested that a seed standard for KB be developed that would not have regulatory significance if positive seed were detected.

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<p>11. Initiate a study for the feasibility of developing and applying of wheat grade and quality standards for KB. <b>Jay Mitchell (GIPSA)</b></p> <p style="text-align: center;"><b>Operations</b></p> <p>12. Develop and implement an information management system capturing analyzing and reporting program data collected during field operations, and ensuring program effectiveness. <b>Joel Floyd (PPQ)</b></p> <p>13. Complete and distribute updated KB field manual. <b>Bob Spaide (PPQ)</b></p> <p>14. Revise the National Survey Plan: <b>Russ McKinney (PPQ)</b>  a. reduce the amount of time between sampling and analysis  b. consider weather and climate data to prioritize sampling areas and sample analysis.</p> <p style="text-align: center;"><b>Economic Assessment</b></p> <p>15. Complete and distribute economic assessment of unilateral deregulation of KB- <b>Gary Vocke (ERS)</b></p>	<p>11. 4<sup>th</sup> Quarter</p> <p>12. 4<sup>th</sup> Quarter</p> <p>13. 3<sup>rd</sup>. Quarter</p> <p>14. 4/1/02</p> <p>15. 3<sup>rd</sup> Quarter</p>	<p>Currently, we only regulate seed from regulated areas.</p> <p>11. On 10/22/02, GIPSA submitted, "Options for Managing Karnal Bunt in the Official Inspection and Weighing System Following Deregulation." The current standards and measures found in United States Standards for Wheat 7CFR8102205 (c) &amp; (d) (smuts in wheat) are sufficient to address Karnal bunt in wheat.</p> <p>12. PPQ contracted with REI for \$112,000 to develop an information management system for the Karnal bunt program. The Karnal Bunt Information System (KBIS) successfully came on line May 15 accepting 2002 data while integrating certain historical program data into the system. PPQ has extended the contract for additional work throughout FY-2003.</p> <p>13. The KB field manual was updated and distributed on April 18, 2002. The manual has been posted on the KB website.</p> <p>14. The National Survey Plan was revised and distributed on May 6, 2002. The plan has been posted on the KB website.</p> <p>15. ERS completed and published, "Economic Analysis of Ending the Issuance of Karnal Bunt Phytosanitary Wheat Export Certificates" in March 2002.</p>
<p><b><u>Scientific Support:</u></b> Rick Bennett, National Program Leader, ARS</p> <p>1. Catalog existing risk assessments- <b>Ron Sequeira (PPQ)</b>  1a. CPHST to serve as clearing house to provide advice and guidance for PRA development.</p> <p>2. Initiate a risk assessment to identify the risk of spreading KB through wheat processing procedures. <b>Ron Sequeira (PPQ)</b></p>	<p>1. 2<sup>nd</sup>. Quarter</p> <p>2. 3<sup>rd</sup> Quarter</p>	<p>1. The existing Karnal bunt risk assessments were catalog by CPHST in March 2002.</p> <p>2. No activity</p>

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3. Develop and distribute best management practices for TX, AZ, and CA. <b>Kitty Cardwell (CSREES)</b>	3. 4 <sup>th</sup> Quarter	3. Grant money has been made available for research in Texas. Unfortunately, the work has been delayed because of permit application problems and approval. For 2003, we intend to modify this activity to include KB best management practices.
4. Continue studies to develop information needed to establish field spore threshold limits and geographical range limits for the disease. <b>Rick Bennett (ARS)</b>	4. Ongoing	4. Study has been delayed but will be initiated in January 2003 in Arizona field plots. This is a cooperative study involving ARS, CDFA and APHIS. Study will be used to predict teliospore survival in other wheat producing areas. Influence of various soil parameters including moisture, temperature and humidity will be evaluated.
5. Continue studies to develop information regarding the viability and longevity of teliospores in soil. <b>Rick Bennett (ARS)</b>	5. Ongoing	5. A study was conducted to determine the longevity of teliospores in field plots in Arizona. This method provides an accurate measure of teliospore population decline in soils. The rate of decrease in germination was significantly greater for teliospores from irrigated plots than from non-irrigated plots.
6. Continue studies to develop information to identify optimal temperature/humidity requirements for teliospore development. . <b>Rick Bennett (ARS)</b>	6. Ongoing	6. Study has been delayed but will be initiated in field trials in January 2003. Preliminary studies indicate teliospores germinate on soil surfaces with free moisture and high relative humidity at temps between 15-23C within 5 to 14 days. Significant infection requires cloudy conditions, rainfall, and cool temps.
7. Initiate development of new, cost effective control methods, including post harvest treatments and seed treatments. <b>Rick Bennett (ARS)</b>	7. 4 <sup>th</sup> Quarter	7. Seed treatments will be tested for efficacy as part of a cooperative effort involving ARS and APHIS. Preliminary studies suggest seed treatments by fungicides may have some efficacy in inhibiting teliospore germination.  Work has been completed for the post-harvest treatment of positive grain using roaster technology. A report will be published shortly.

